

Transcription Worksheet

Name _____

Period _____

Must be completed in your portfolio

Transcription Worksheet

1. What are the bases in DNA?
2. How do the bases pair up?
3. What are the bases in RNA?

What RNA nitrogen bases match with the following DNA nitrogen bases?

A T G C

4. If this is a sequence of one DNA strand, what is the complementary sequence of the other DNA strand?

A T T C A G C G A

5. What in RNA sequence would bond with DNA strand from question 5?

A T T C A G C G A

6. Three RNA bases make a
7. What does a codon code for?
8. If you have 1500 base pairs, how many amino acids are there?

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9. The shape of a DNA molecule is _____
10. What amino acids are made from these bases? (See chart)
- AAC UUC UAA CCG
11. What do proteins do for us? _____
12. Where are proteins made in the cell (organelle)? _____

Imagine you have the following strands of DNA. Go through the process of transcription and translation and build the correct protein.

DNA mRNA Amino Acid

C
A
T

G
G
T

C
A
G

G
C
A

T
A
T